

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 44: (Currently Amended): A method for transmitting a security code from a client to a server, comprising the steps of:

establishing a connection between the client and the server;

5 detecting selection of multiple points in a graphical image including a number of elements displayed at the client, the number of elements being positioned in a different configuration after each selection of each of the multiple points; and

transmitting, after each selection of each of the multiple points in the graphical image, coordinates associated with a portion of the security code from the client to the server over the connection, the coordinates further associated with such selection of such point.

Claim 45: (Previously Presented): The method of claim 44 further including the step of transmitting after a last selection coordinates associated with a completion code for the security code.

Claim 46: (Previously Presented): The method of claim 44 wherein the security code includes a variable length security code.

Claim 47: (Previously Presented): The method of claim 44 further including the step of receiving the different configuration of the elements within the graphical image from the server after each selection of each of the multiple points.

Claim 48: (Previously Presented): The method of claim 44 wherein the security code comprises a PIN.

Claim 49: (Previously Presented): The method of claim 44 wherein the graphical image comprises a keypad.

Claim 50: (Previously Presented): The method of claim 49 wherein the graphical image representing a keypad includes a different pseudorandom arrangement of keys after each selection of each of the multiple points.

Claim 51: (Previously Presented): The method of claim 44, wherein the coordinates correspond to a cursor position.

Claim 52: (Previously Presented): The method of claim 44 further comprising the step of receiving a confirmation of an authentication of a user at the client based on the security code.

Claim 53: (Previously Presented): The method of claim 44, wherein the elements of the graphical image are alpha-numeric characters.

Claim 54: (Previously Presented): A method for transmitting a security code between a client to a server, comprising the steps of:

establishing a connection between the client and the server;

5 detecting selection of multiple points in a graphical image including a number of elements displayed at the client, the number of elements being positioned in a different configuration after each selection of each of the multiple points;

transmitting after each selection of each of the multiple points in the graphical image coordinates associated with a portion of the security code from the client to the server over the connection, the coordinates further associated with such selection of such point;

10 processing the coordinates received after each selection of each of the multiple points in the graphical image to determine the portion of the security code associated with the coordinates; and

validating the security code upon receiving all portions of the security code.

Claim 55: (Previously Presented): The method of claim 54 further including the step of transmitting after a last selection coordinates associated with a completion code for the security code.

Claim 56: (Previously Presented): The method of claim 54 further including the step of processing the coordinates received after a last selection of coordinates to determine receipt of a completion code associated with the coordinates.

Claim 57: (Previously Presented): The method of claim 54 wherein the security code includes a variable length security code.

Claim 58: (Previously Presented): The method of claim 54 further including the steps of :

generating each of the different configurations of the elements after each selection of each of the multiple points; and

5 transmitting each of the different configurations of the elements from the server.

Claim 59: (Previously Presented): The method of claim 54 wherein the security code comprises a PIN.

Claim 60: (Previously Presented): The method of claim 54 wherein the graphical image comprises a keypad.

Claim 61: (Previously Presented): The method of claim 54 wherein the graphical image representing a keypad includes a different pseudorandom arrangement of keys after each selection of each of the multiple points.

Claim 62: (Previously Presented): The method of claim 54 wherein the coordinates correspond to a cursor position.

Claim 63: (Previously Presented): The method of claim 54 further comprising the step of authenticating a user based on the validation of the security code.

Claim 64: (Previously Presented): The method of claim 54, wherein the elements of the graphical image are alpha-numeric characters.

Claim 65: (Previously Presented): A method for receiving a security code from a client at a server, comprising the steps of:

receiving after each selection of each of multiple points in a graphical image including a number of elements, coordinates associated with a portion of the security code at the
5 server over a connection, the coordinates further associated with such selection of such point;

processing the coordinates received after each selection of each of the multiple points in the graphical image to determine the portion of the security code associated with the coordinates; and

validating the security code upon receiving all portions of the security code.

Claim 66: (Previously Presented): The method of claim 65 further including the step of processing the coordinates received after a last selection of coordinates to determine receipt of a completion code associated with the coordinates.

Claim 67: (Previously Presented): The method of claim 65 wherein the security code includes a variable length security code.

Claim 68: (Previously Presented): The method of claim 65 further including the steps of :

generating each of the different configurations of the elements after each selection of each of the multiple points; and

5 transmitting each of the different configurations of the elements from the server.

Claim 69: (Previously Presented): The method of claim 65 further comprising the step of authenticating a user based on the validation of the security code.

Claim 70: (Currently Amended): A method for transmitting a security code from a client to a server, comprising the steps of:

(a) displaying a graphical keypad at the client responsive to a transmission from the server;

5 (b) detecting selection of a key in the graphical keypad by a user;

(c) storing the selection if the selection does not indicate an end of input and repeating steps (a) and (b); and

(d) sending stored selections to the server if the selection ~~does not indicate~~ indicates the end of input.